

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/001992

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 C12N 5/06, C12N 5/00, A01K 67/00, C12N 15/00, C12N 5/10**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12N 5/06, 5/00, 5/10, 15/00, A01K 67/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS, Delphion, PubMed, "Avian", "Spermatogonial Stem Cell"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 03/024199 A2 (AVIGENICS, INC.), 27 Mar. 2003. See the whole document.	1-19
A	Izadyar, F. et al., 'Proliferation and Differentiation of Bovine Type A Spermatogonia During Long-Term Culture', Biol. Reprod., vol.68, pp.272-281, 14 Oct. 2002. See the whole document.	1-18
A	Nagano, M. et al., 'Maintenance of Mouse Male Germ Line Stem Cells In Vitro', Biol. Reprod., vol.68, pp.2207-2214, 22 Jan. 2003. See the whole document.	1-18
A	Kanatsu-Shinohara, et al., 'Long-Term Proliferation in Culture and Germline Transmission of Mouse Male Germline Stem Cells', Biol. Reprod., vol.69, pp.612-616, 16 Apr. 2003. See the whole document.	1-18
A	US 6,316,692 B1 (Carol W. Readhead & Rovert Winston), 13 Nov. 2001. See the whole document.	1-19
A	US 6,156,569 A (University of Massachusetts Office of Vice Chancellor for Research at Amherst), 05 Dec. 2000. See the whole document.	1-19
P, A	WO 03/106651 A2 (GEORGETOWN UNIVERSITY), 24 Dec. 2003. See the whole document.	1-19

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

13 DECEMBER 2004 (13.12.2004)

Date of mailing of the international search report

14 DECEMBER 2004 (14.12.2004)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office
920 Dunsan-dong, Seo-gu, Daejeon 302-701,
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

LEE, CHUNG HO

Telephone No. 82-42-481-8160



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/001992

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03024199 A2	27 Mar. 2003	none	
US 6,316,692 B1	13 Nov. 2001	WO 99025863 A1 EP 1047792 A1 EP 1030929 A1 AU 1406199 A1	27 May. 1999 02 Nov. 2000 30 Aug. 2000 07 Jun. 1999
US 6,156,569 A	05 Dec. 2000	WO 0008132 A1 JP 2003532364 T2 EP 1007633 A1 BR 9811830 A	17 Feb. 2000 05 Nov. 2003 14 Jun. 2000 15 Aug. 2000
WO 03106651 A2	24 Dec. 2003	none	